AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions and listings of claims in the application.

LISTING OF CLAIMS

1.   (Currently Amended) A heart treatment equipment for treating a patient comprising:

a nerve stimulator for generating a nerve stimulating signal for stimulating a vagus nerve;

a sensor for sensing ~~living body information~~ an intensity of physical exercise or mental stress of the patient; and

a controller connected to said nerve stimulator and said sensor,

wherein said controller ~~comprises a nerve stimulation parameter table memory at which is memorized at least one table relating to a plurality of nerve stimulation parameters in response to sensed values by said sensor, said controller controlling said nerve stimulator based on control of the nerve stimulation parameters selected from the nerve stimulation parameter table memory~~ controls said nerve stimulator in response to an output of said sensor such that when the intensity of the physical exercise or the mental stress is relatively high, a relatively strong nerve stimulation is performed and when the intensity of the physical exercise or the mental stress is relatively low, a relatively weak nerve stimulation is performed or no nerve stimulation is performed.

2.   (Canceled)

3.   (Currently Amended) A heart treatment equipment according to claim 1, wherein said controller comprises a nerve stimulation parameter table memory at which is memorized at least one table relating to a plurality of nerve stimulation parameters to sensed values by said sensor, said controller controlling said nerve stimulator based on control of the nerve stimulation parameters selected from the nerve stimulation parameter table memory; and

wherein said plurality of nerve stimulation parameters stored in said nerve stimulation parameter table memory are a plurality of stored values with respect to at least one of a period between pulses, a pulse width, a number of pulses, a pulse current, a pulse voltage, a delay time, a rest time and a repetitive number or with respect to a multiple combination chosen from these.

4.   (Original) A heart treatment equipment according to claim 1, wherein said sensor detects a ventricle contractility.

5.   (Original) A heart treatment equipment according to claim 4, wherein the ventricle contractility is related to one of a QT interval, an intracardiac electrogram area, a pre-ejection period, a stroke volume and a ventricle pressure.

6.   (Previously Presented) A heart treatment equipment according to claim 4, wherein said controller controls said nerve stimulator so as to stop the generation of said nerve stimulating signal when the ventricle contractility is out of a predetermined range.

7.   (Previously Presented) A heart treatment equipment according to claim 1, wherein said sensor senses an activity.

8.   (Previously Presented) A heart treatment equipment according to claim 1, wherein said sensor senses a respiration.

9.   (Currently Amended) A heart treatment equipment according to claim 1, wherein said sensor senses a blood.

10.   (Previously Presented) A heart treatment equipment according to claim 1, further comprising a heart stimulator for generating a heart stimulating pulse for stimulating the heart, wherein when the heart rate decreases below a predetermined rate, said heart stimulator stimulates the heart at said predetermined rate.

11.   (Canceled)

12.   (Canceled)

13.   (Canceled)

14.   (Canceled)

15.   (Canceled)

16.   (Canceled)

17.   (Canceled)

18.   (Canceled)

19.   (Canceled)

20.   (Currently Amended) A heart treating method comprising:

sensing an intensity of physical exercise or mental stress living-body

information;

selecting from a nerve stimulation parameter table a variable parameter

suitable for said intensity of physical exercise or mental stress living-body-information

in response to the sensed intensity of physical exercise or mental stress living-body

information; and

stimulating a vagus nerve in accordance with the variable parameter, such

that when the intensity of the physical exercise or the mental stress is relatively high,

a relatively strong nerve stimulation is performed and when the intensity of the

physical exercise or the mental stress is relatively low, a relatively weak nerve

stimulation is performed or no nerve stimulation is performed.

21.   (Currently Amended) A heart treating method according to claim 20, wherein said <u>intensity of physical exercise or mental stress</u> ~~living body information~~ is sensed information of a heart.

22.   (Currently Amended) A heart treating method according to claim 20, wherein said <u>intensity of physical exercise or mental stress</u> ~~living body information~~ is sensed information of a signal <u>that relies on</u> ~~relied upon~~ an autonomic nerve activity.

23.   (Original) A heart treating method according to claim 20, wherein said parameter is at least one of a period between pulses, a pulse width, a number of pulses, a pulse current, a pulse voltage, a delay time, a rest time and a repetitive number or is a multiple combination chosen from these.

24.   (New) A heart treatment equipment for treating a patient according to claim 1, wherein said controller terminates the generation of said nerve stimulation signal when the sensed intensity of the physical exercise or the mental stress sensed is lower than a predetermined level.

25.   (New) A heart treatment equipment for treating a patient according to claim 1, wherein said controller increases a strength of said nerve stimulation signal by adjusting a parameter of said nerve stimulation signal.